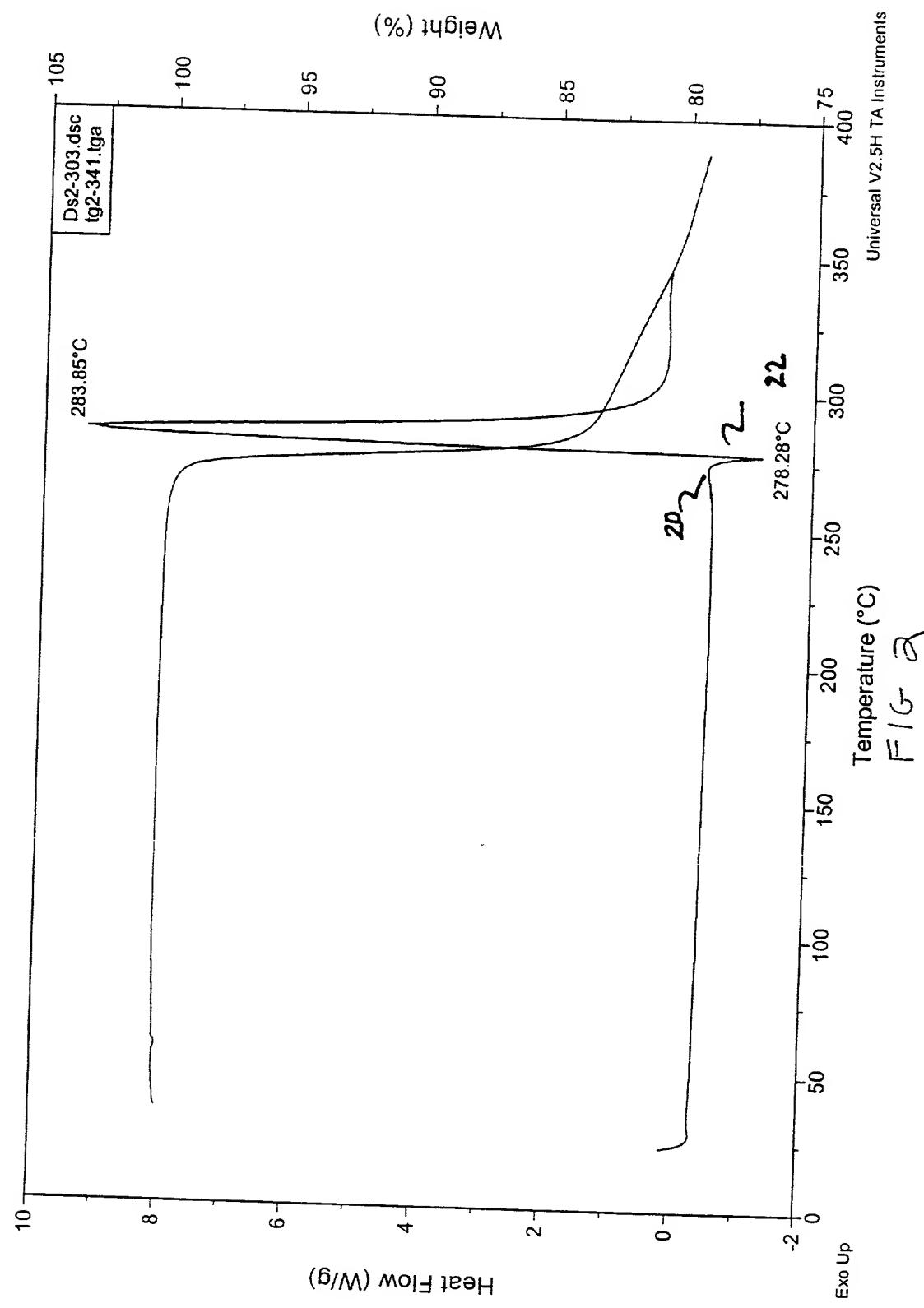


FIG. 1

DSC (bottom) and TGA (top) of Rubitecan Form A.



IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:06:50 2000  
Number of sample scans: 128  
Number of background scans: 128  
Resolution: 2.0000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 69.00

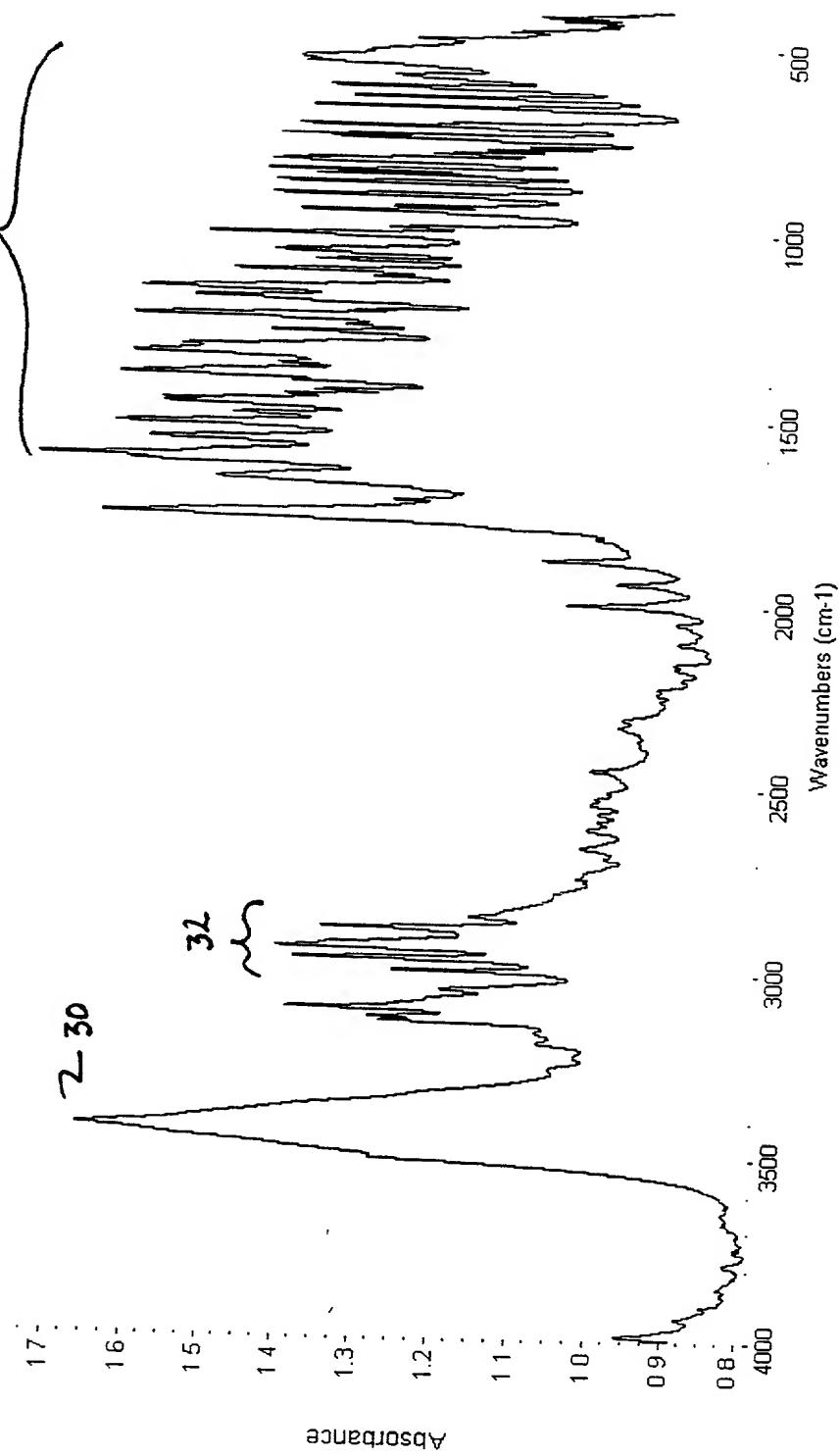
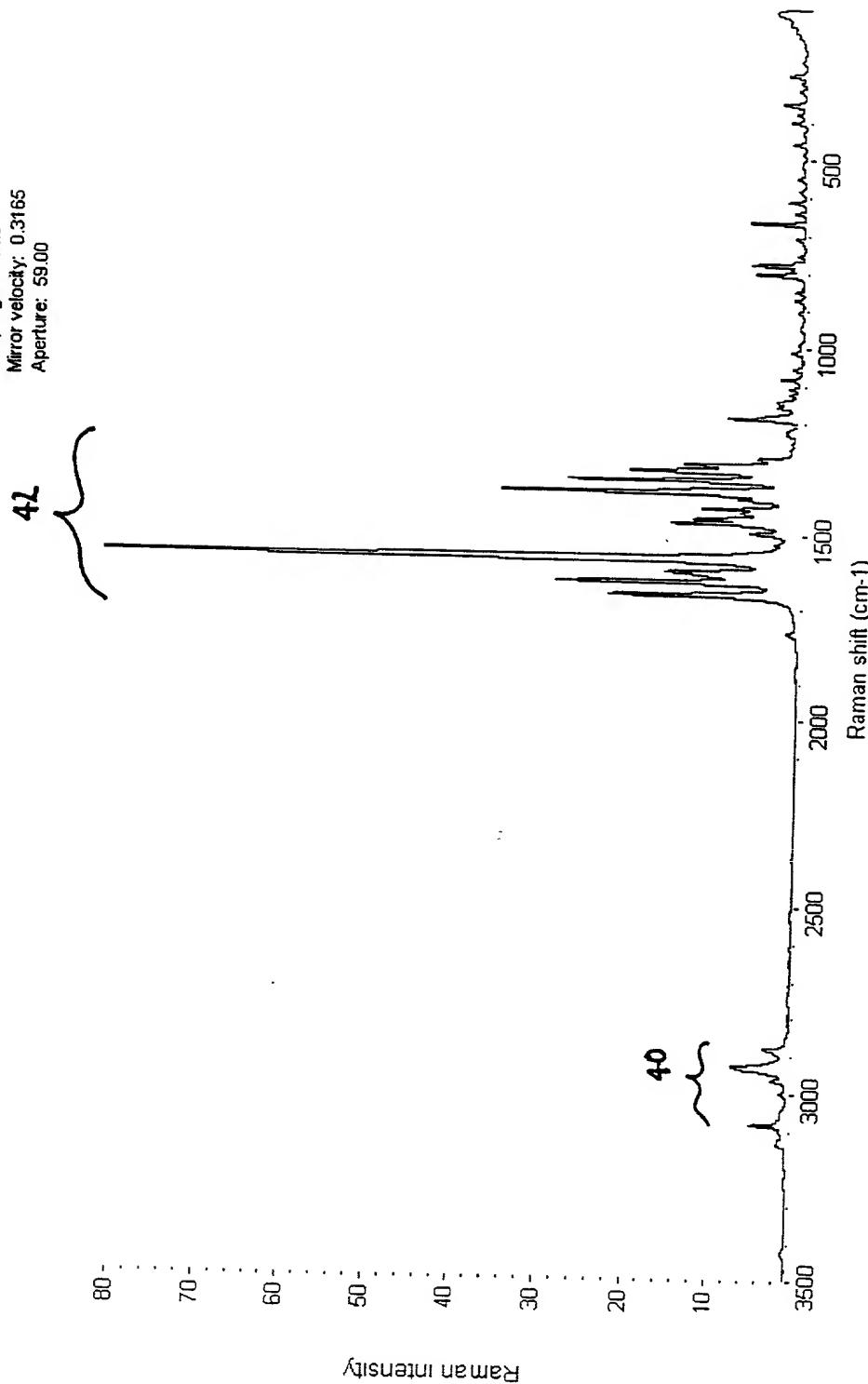


FIG. 3

### Raman Spectrum, Nicolet model 860 FT-Raman

#### Acquisition Parameters

Collection time: Sat Feb 26 20:43:15 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.000  
Sample gain: 32.0  
Mirror velocity: 0.3165  
Aperture: 59.00



F16-4

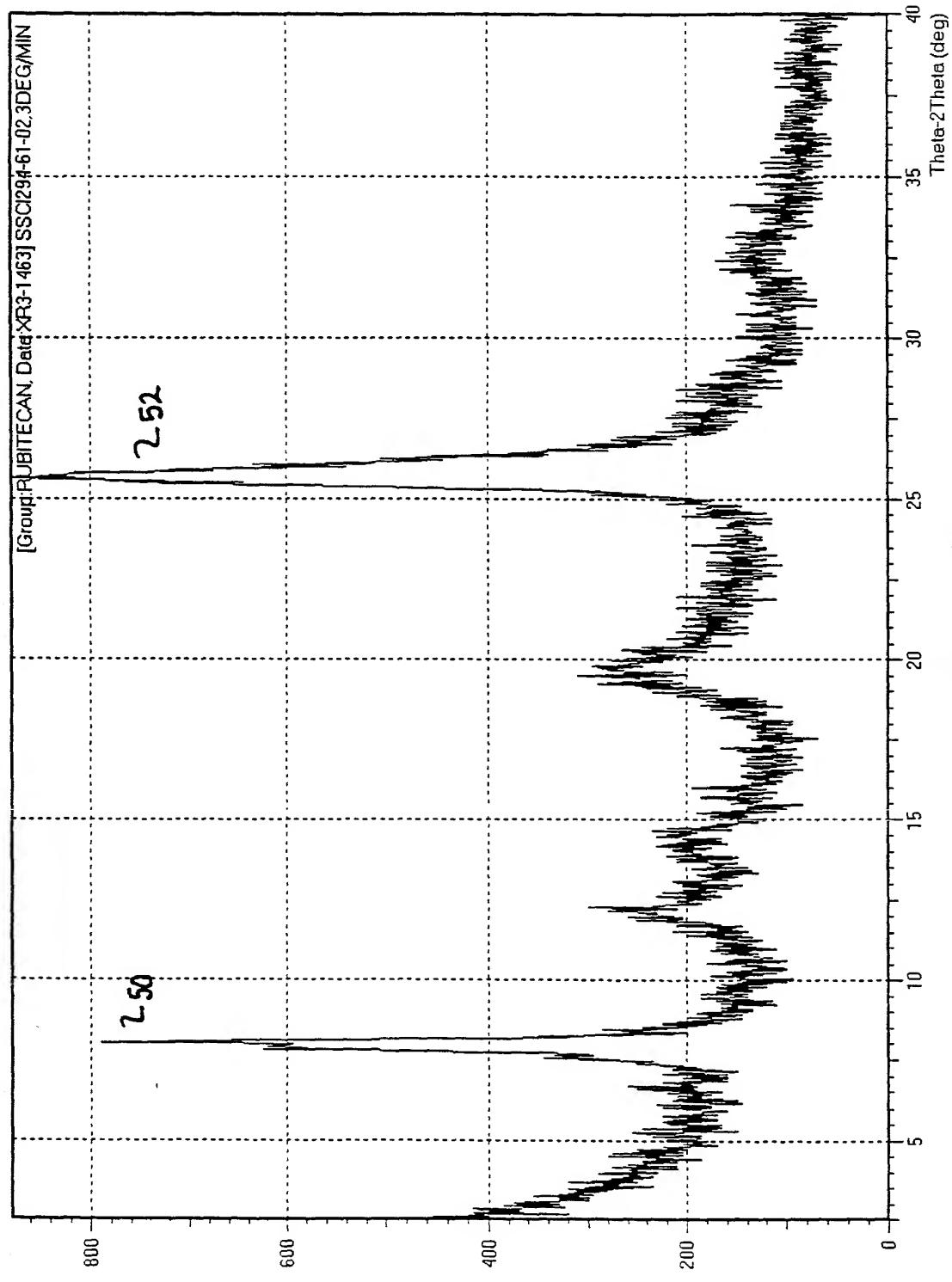


FIG. 5

DSC (bottom) and TGA (top) of Rubitecan Form. B.

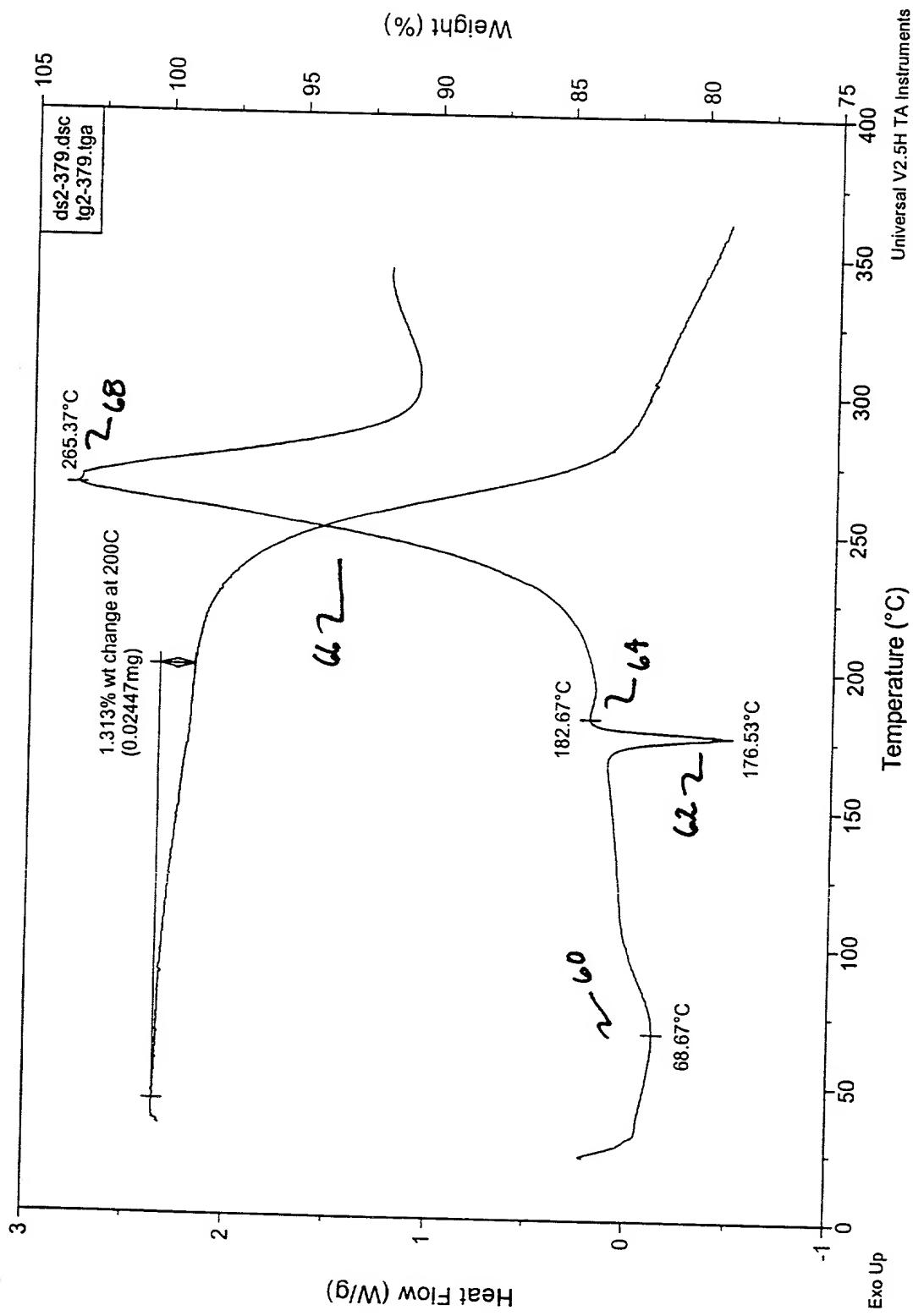


FIG. 6

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:31:51 2000  
Number of sample scans: 128  
Number of background scans: 128  
Resolution: 2.000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 69.00

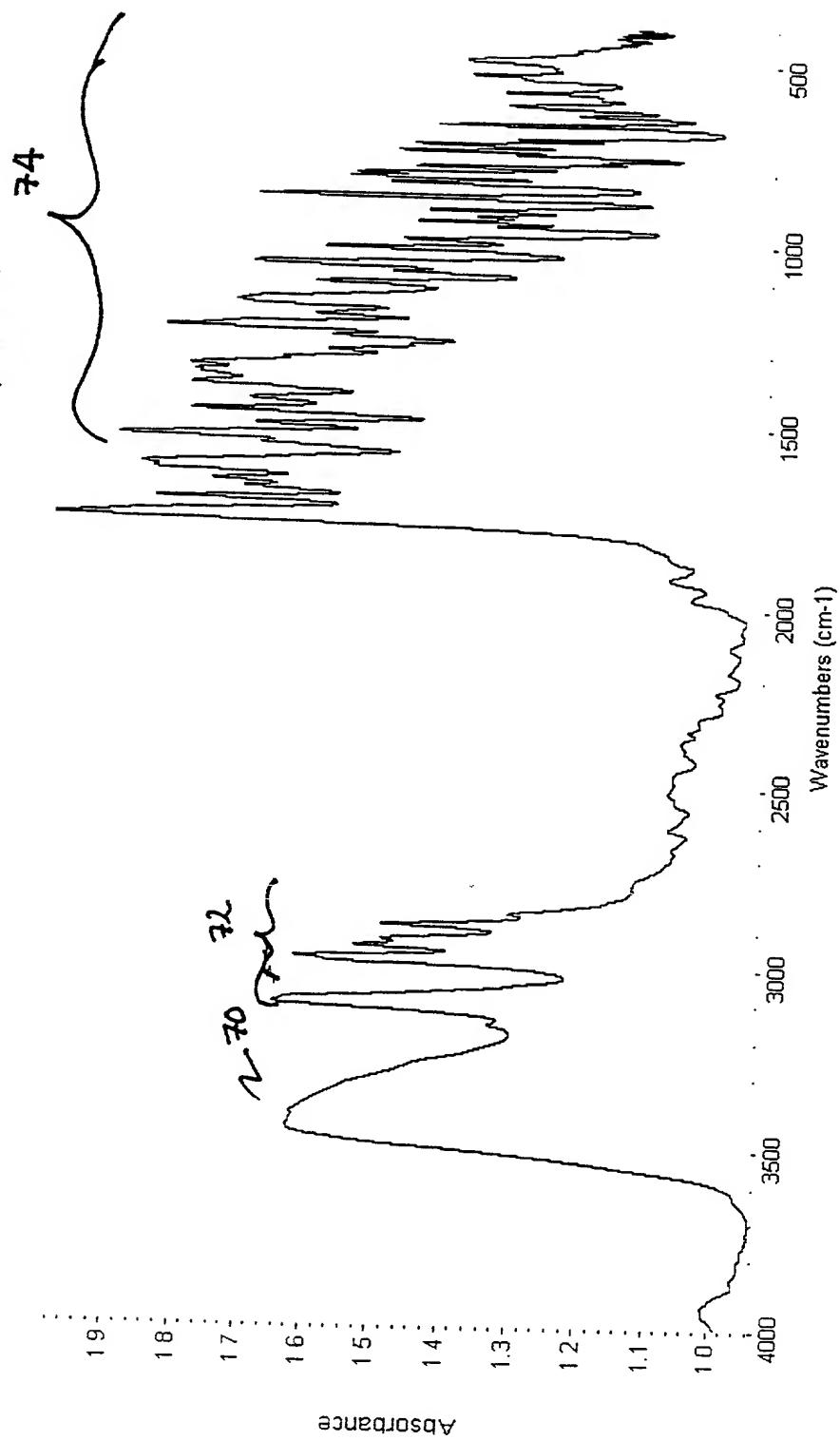


FIG.

7

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 21:08:40 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.000  
Sample gain: 64.0  
Mirror velocity: 0.3165  
Aperture: 59.00

82

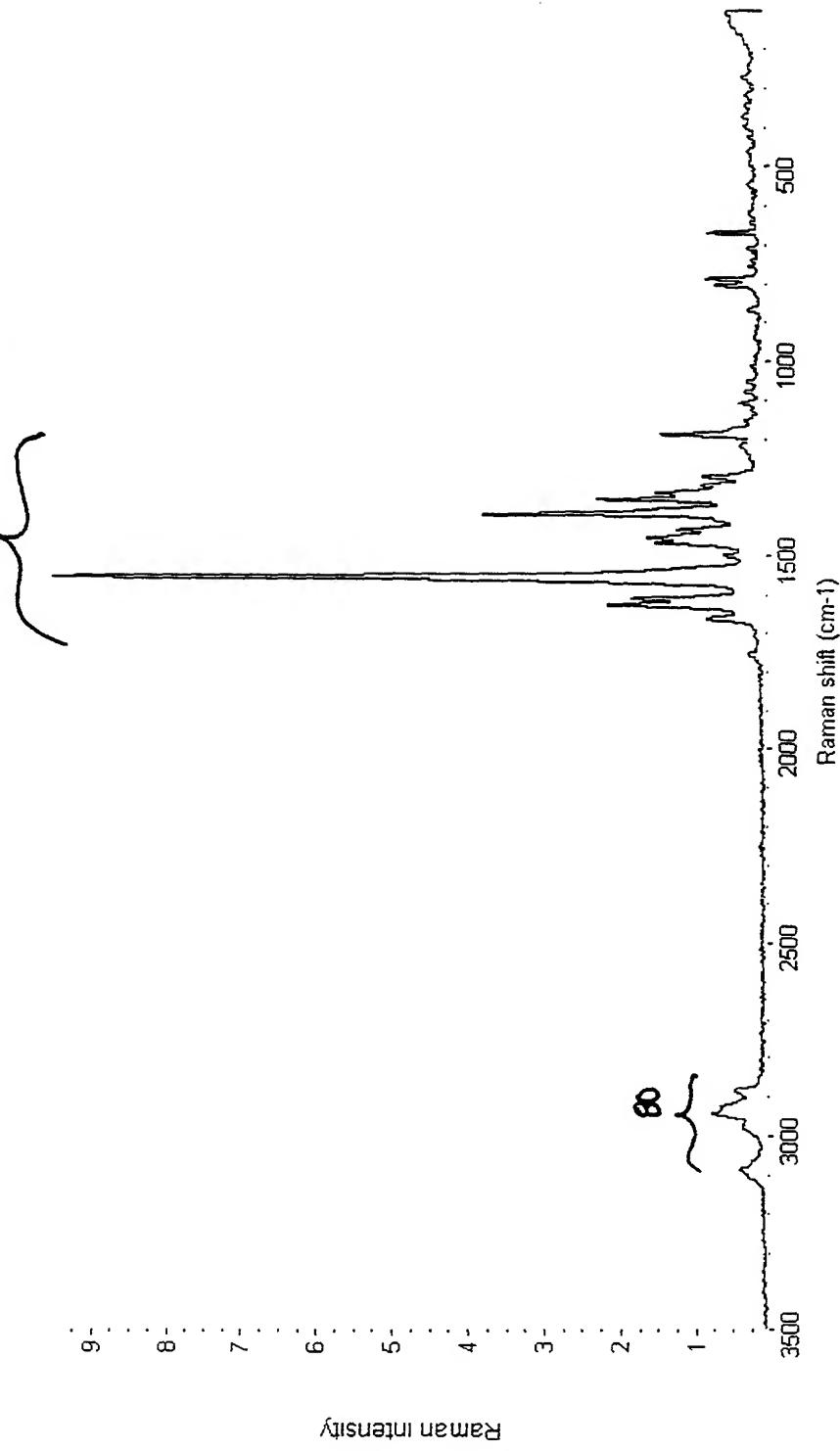


FIG.

8

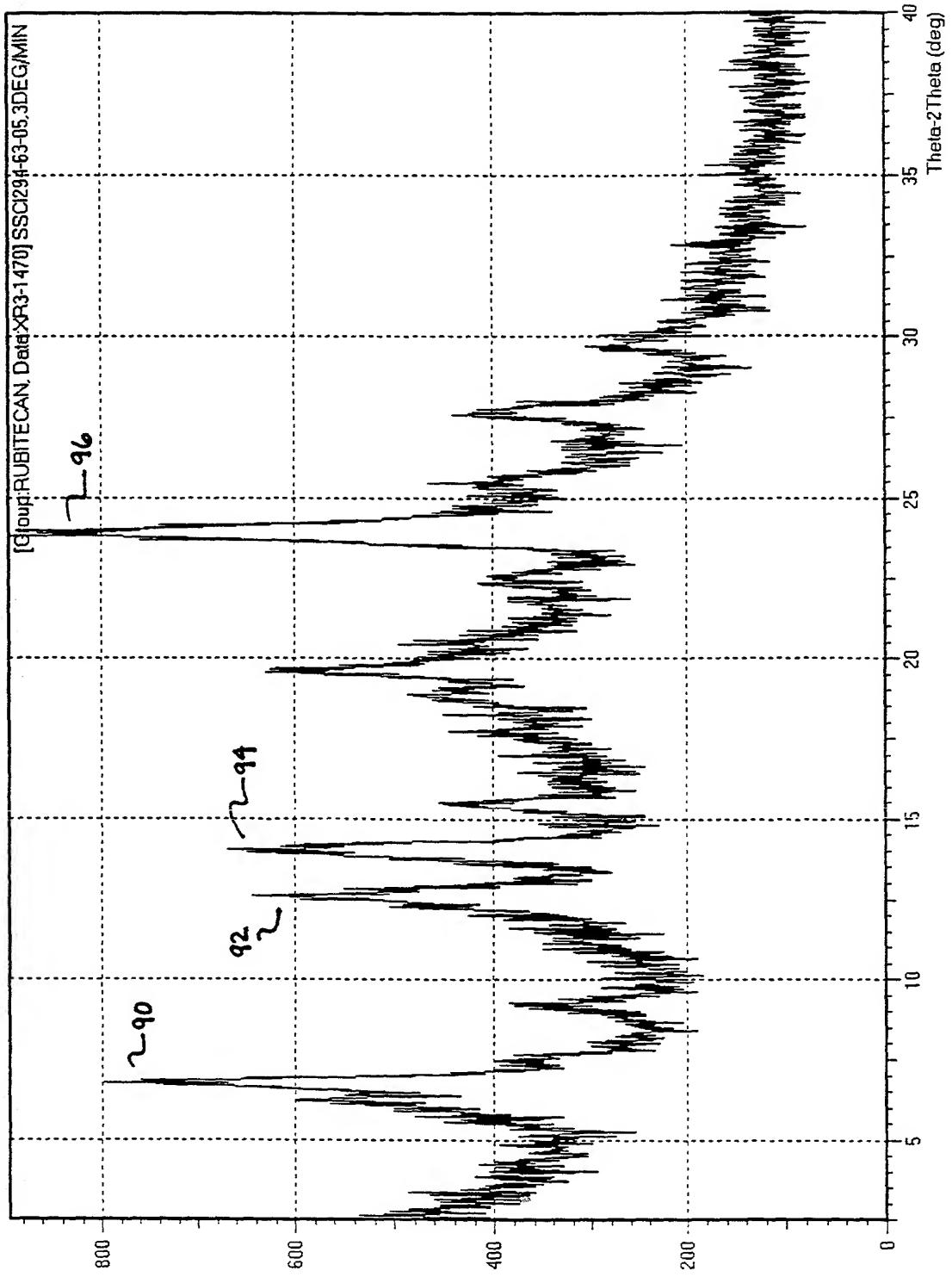
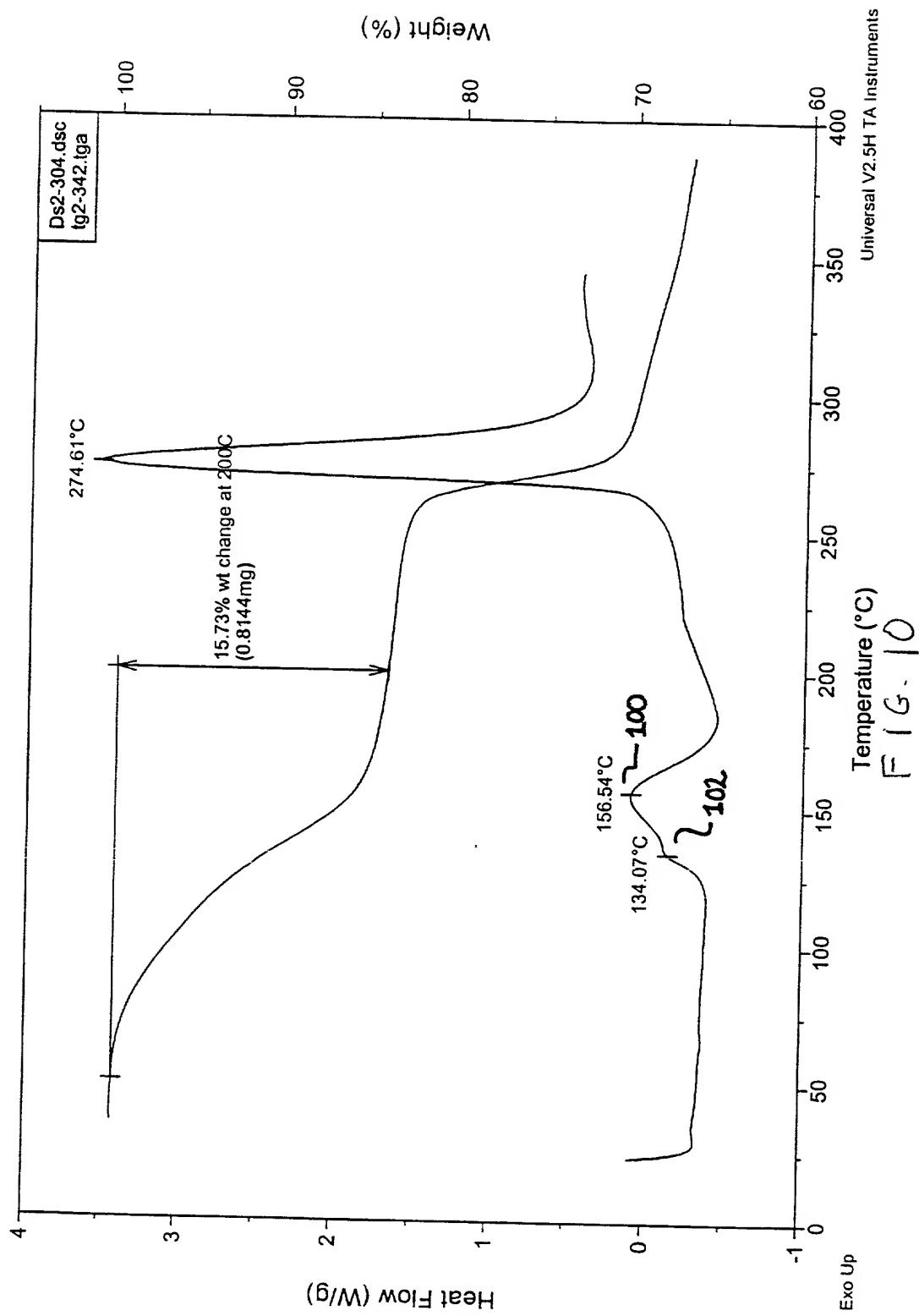


FIG. 9

DSC (bottom) and TGA (top) of Rubitecan Form C.



*IR Spectrum, Nicolet model 860 FT-IR*

**Acquisition Parameters**

Collection time: Sat Feb 26 18:40:03 2000  
Number of sample scans: 128  
Number of background scans: 128  
Resolution: 2.0000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 69.00

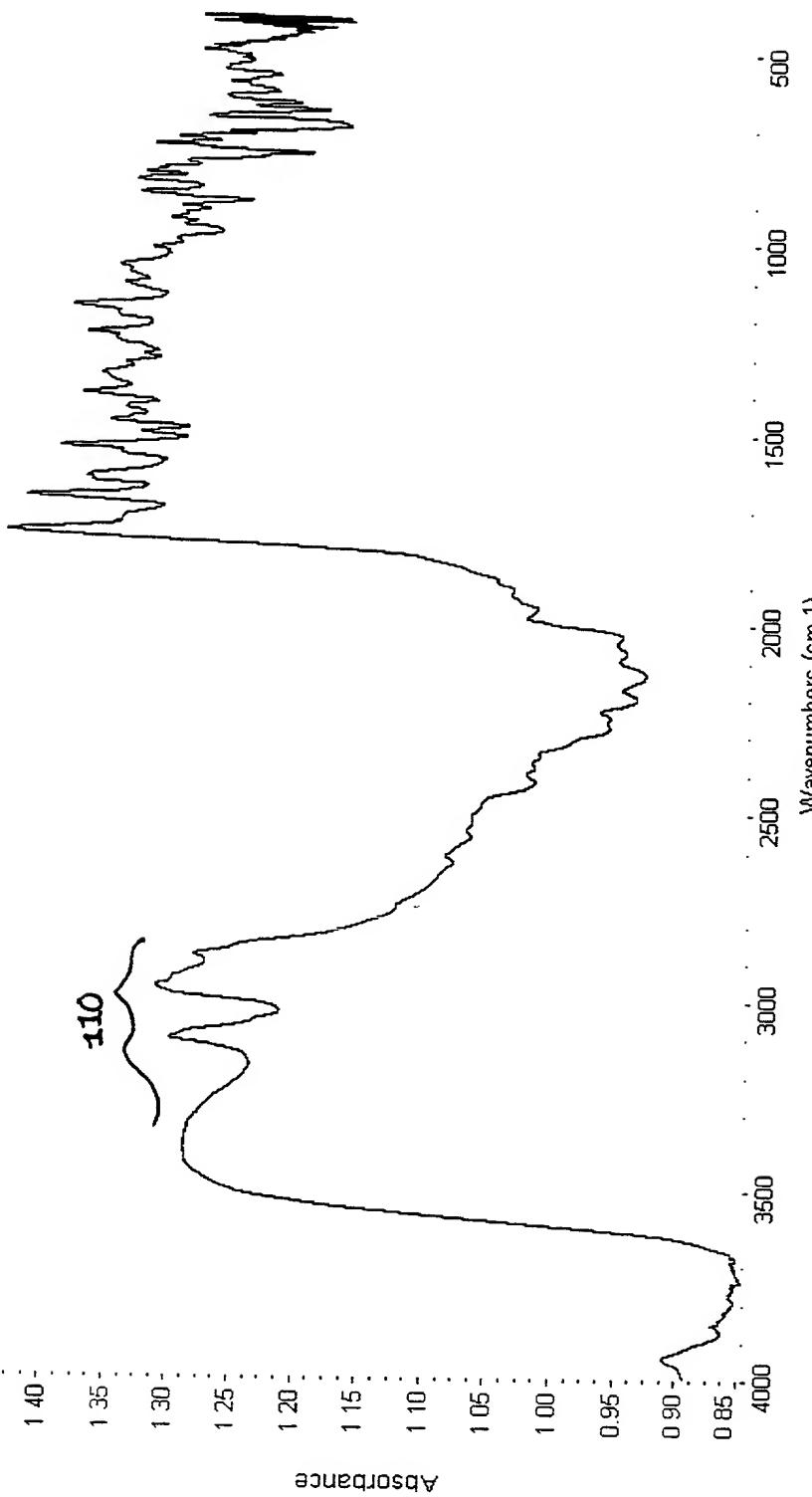


Fig. 11

### Raman Spectrum, Nicolet model 860 FT-Raman

#### Acquisition Parameters

Collection time: Sat Feb 26 21:02:29 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.0000  
Sample gain: 64.0  
Mirror velocity: 0.3165  
Aperture: 59.00

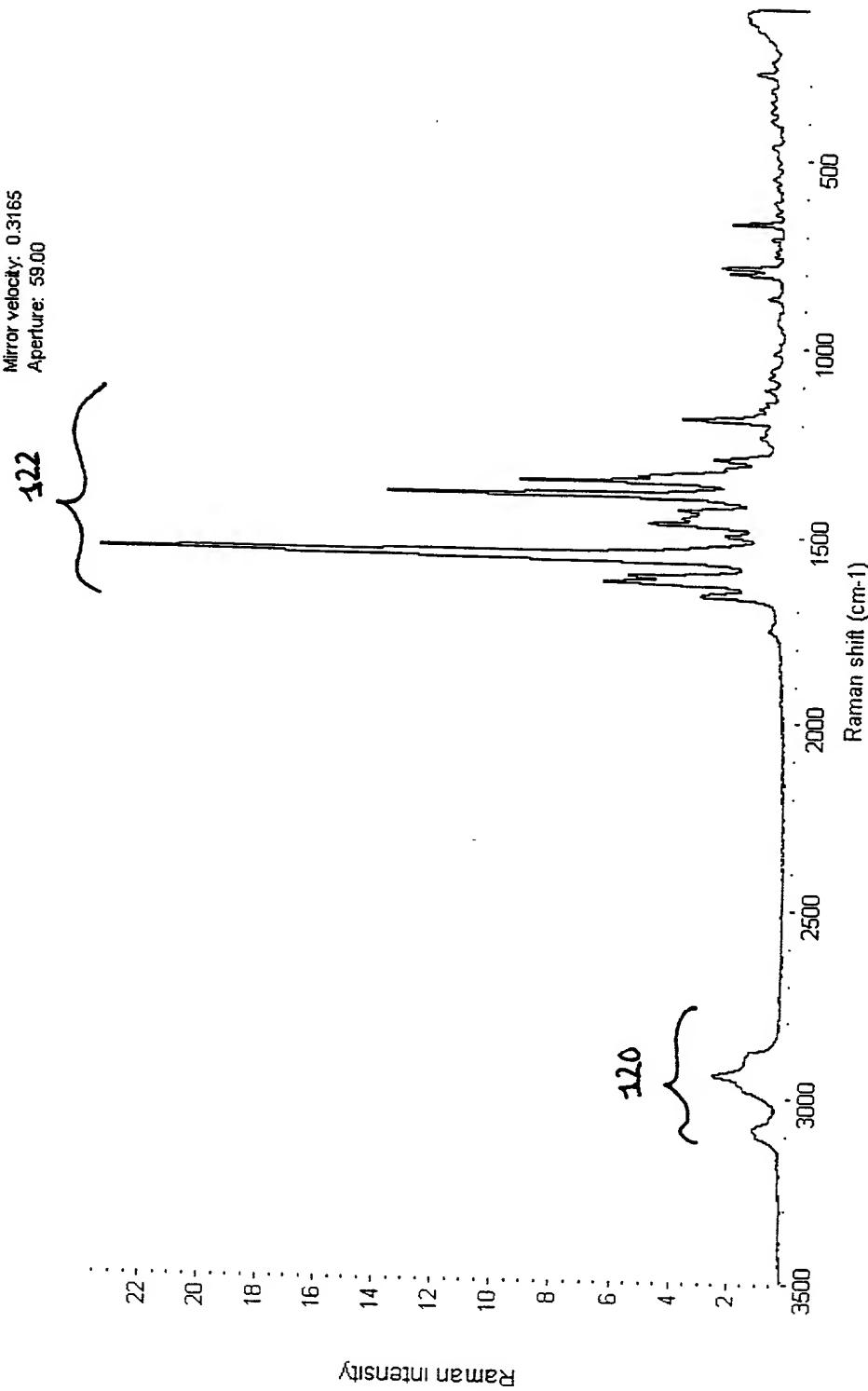


FIG. 12

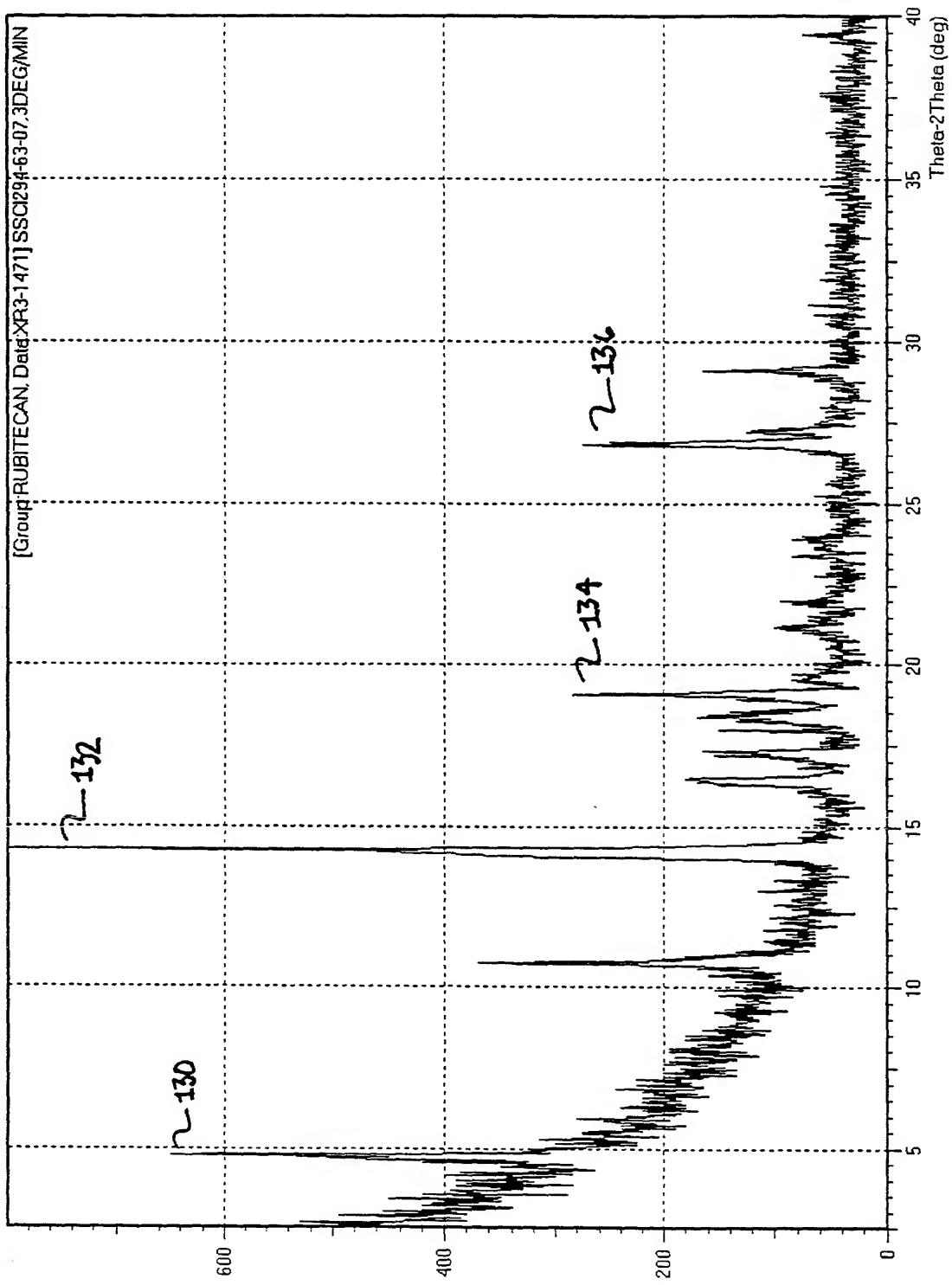
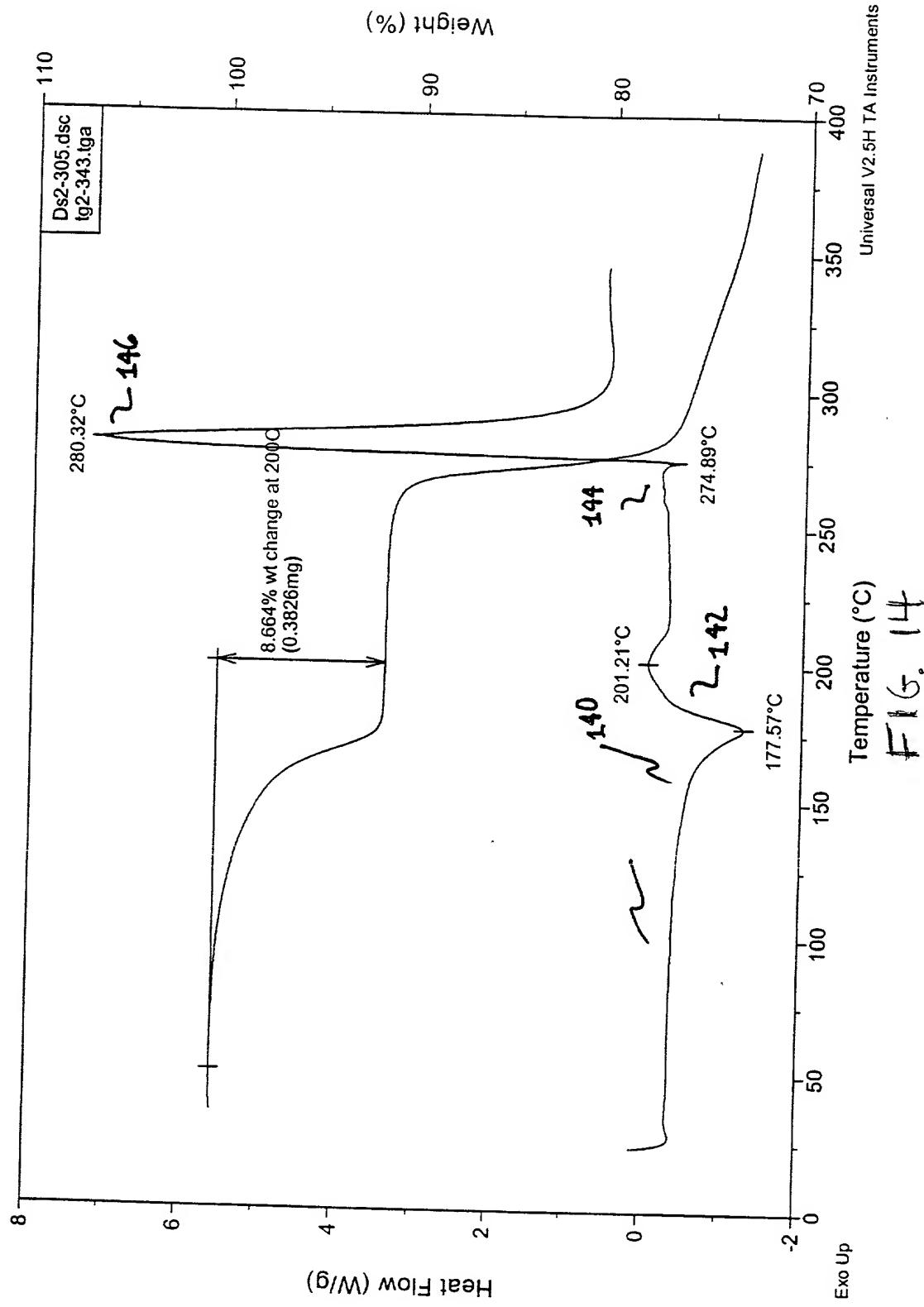


FIG. 13

DSC (bottom) and TGA (top) of Rubitecan Form D.



IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:22:39 2000  
Number of sample scans: 128  
Number of background scans: 128  
Resolution: 2.000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 69.00

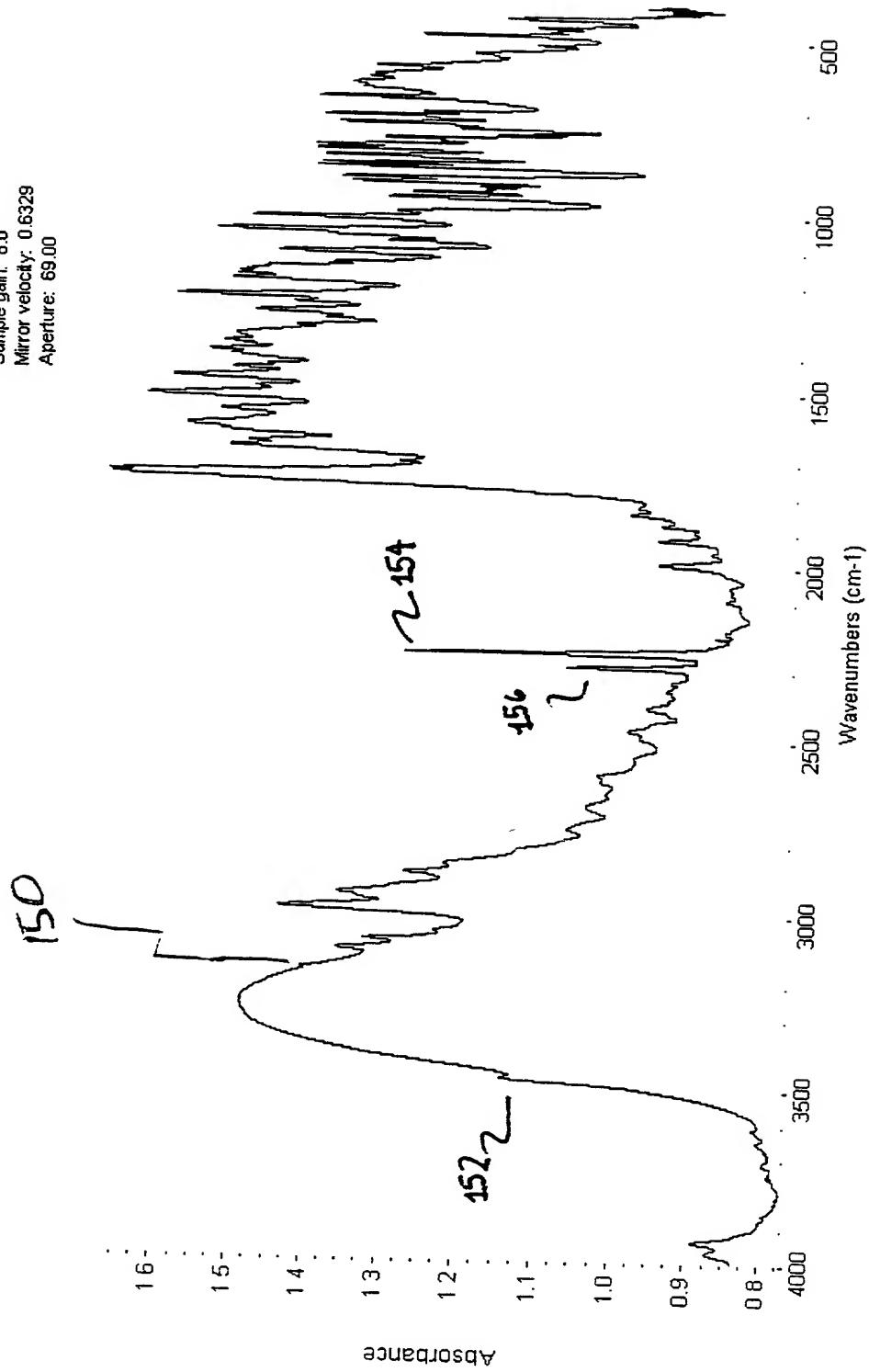


FIG. 15

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:49:39 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.0000  
Sample gain: 64.0  
Mirror velocity: 0.3165  
Aperture: 59.00

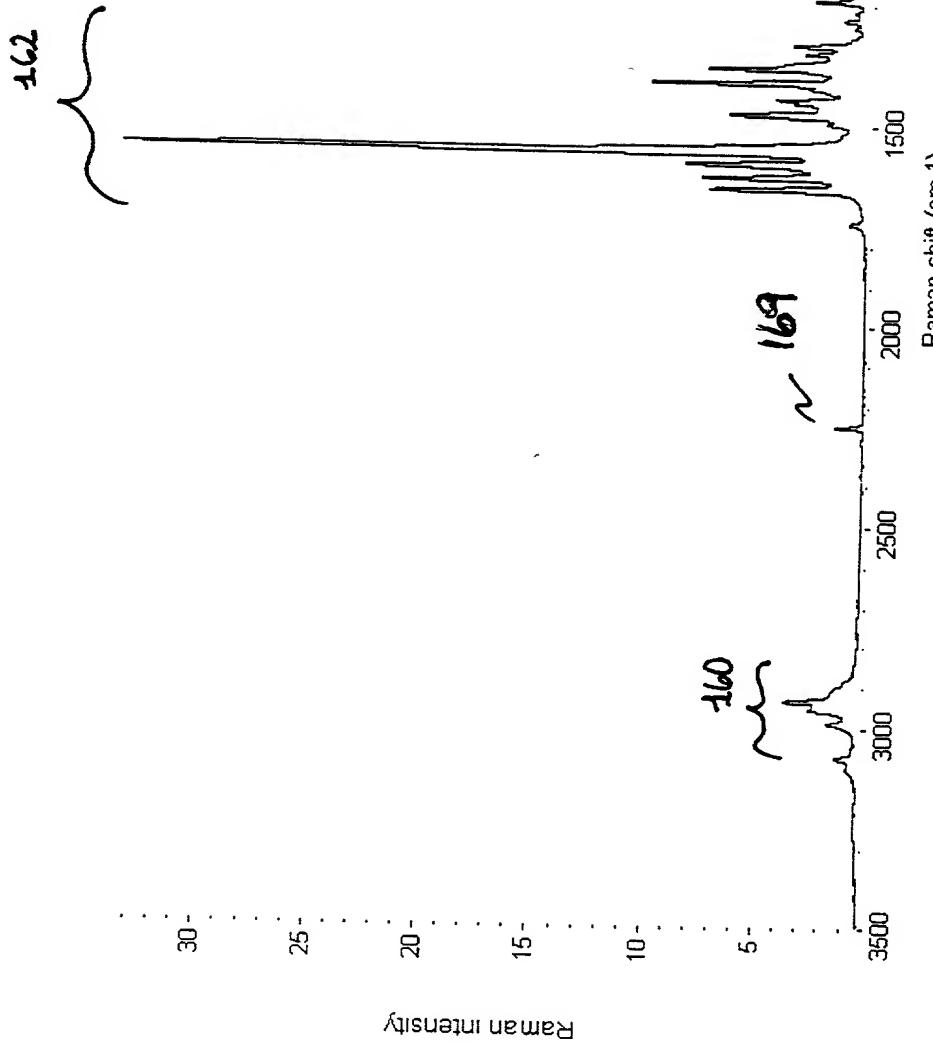


FIG. 16

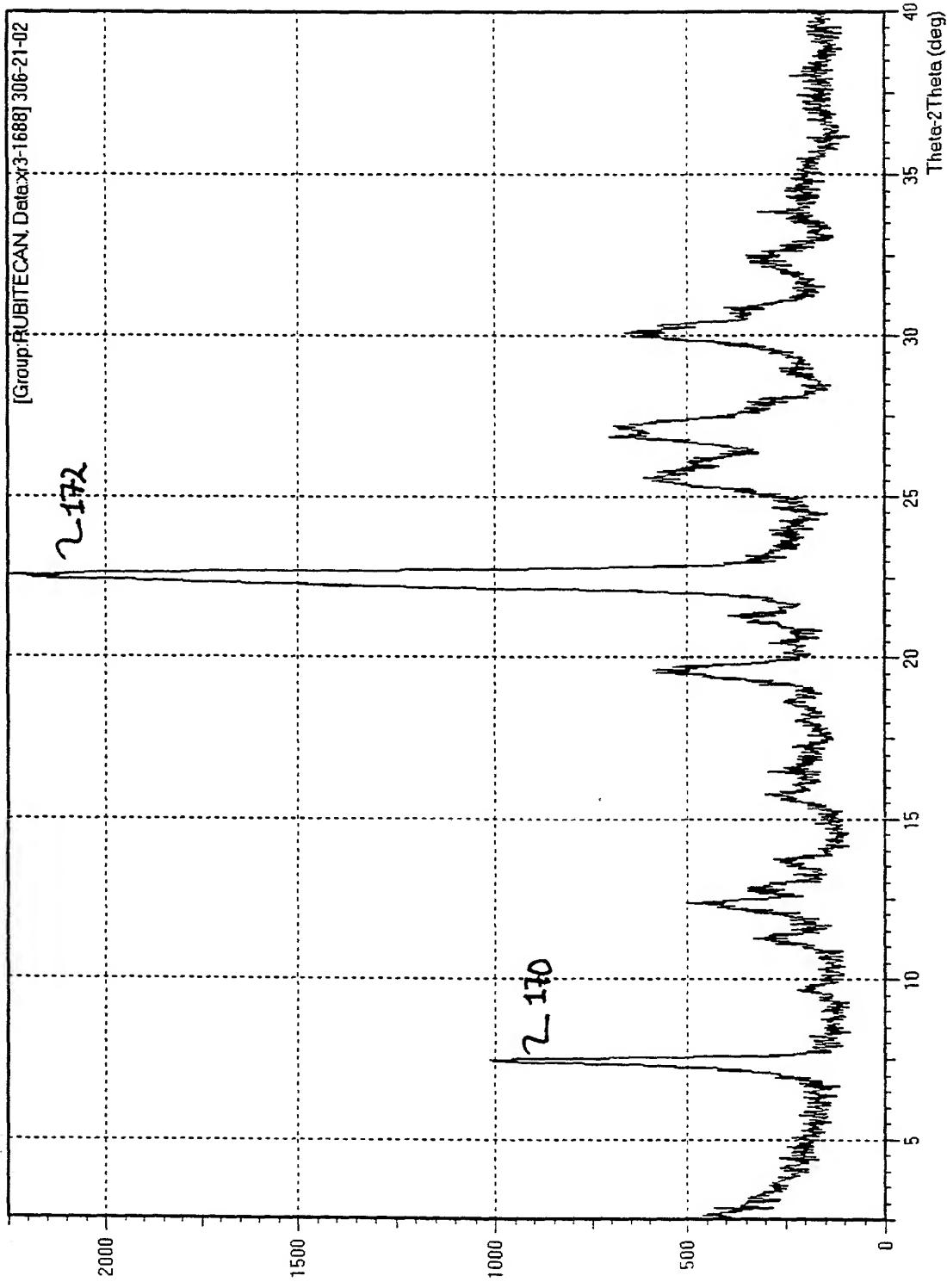
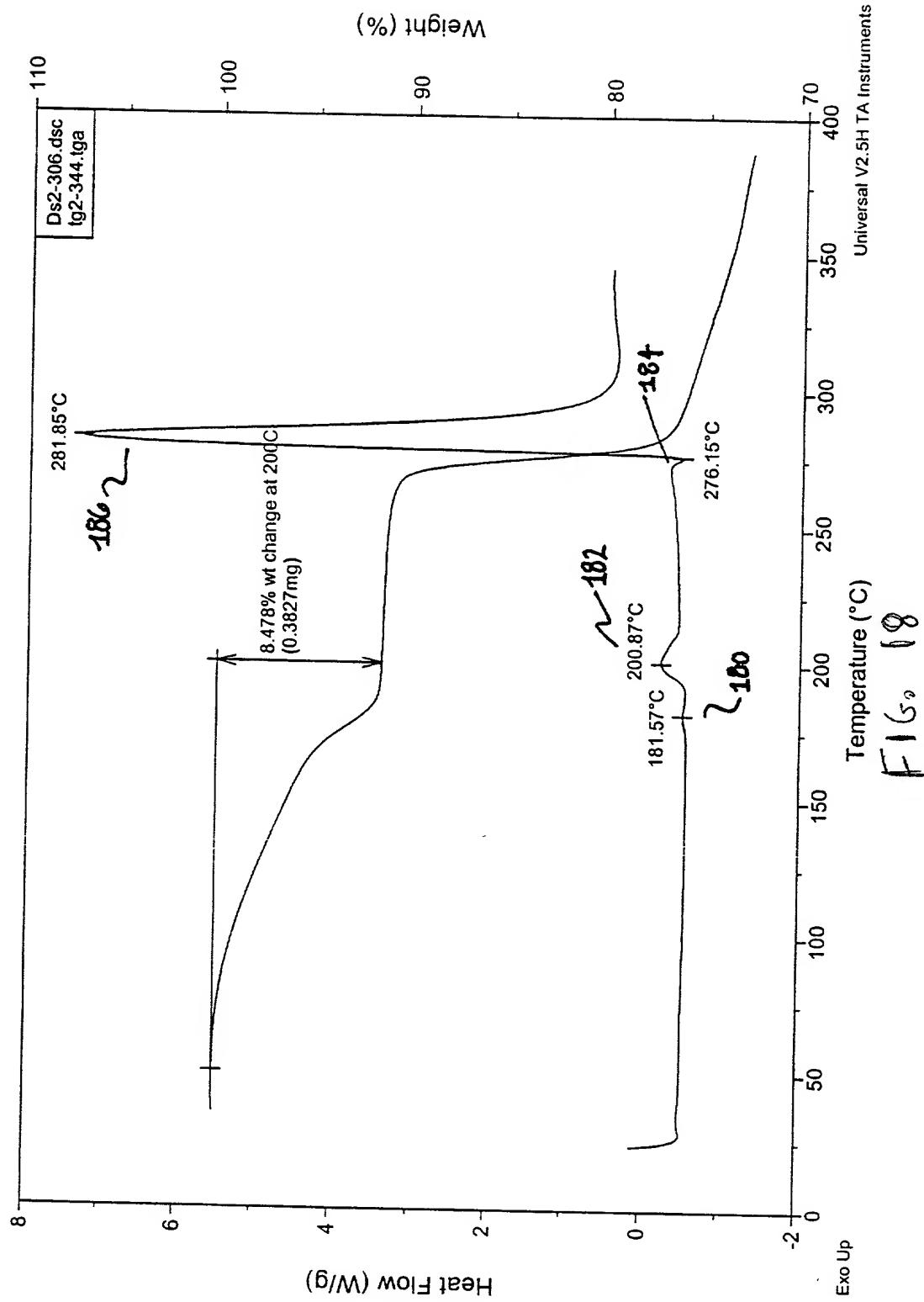


FIG. 17

DSC (bottom) and TGA (top) of Rubitecan Form E.



IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 16:14:49 2000  
Number of sample scans: 128  
Number of background scans: 128  
Resolution: 2.000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 69.00

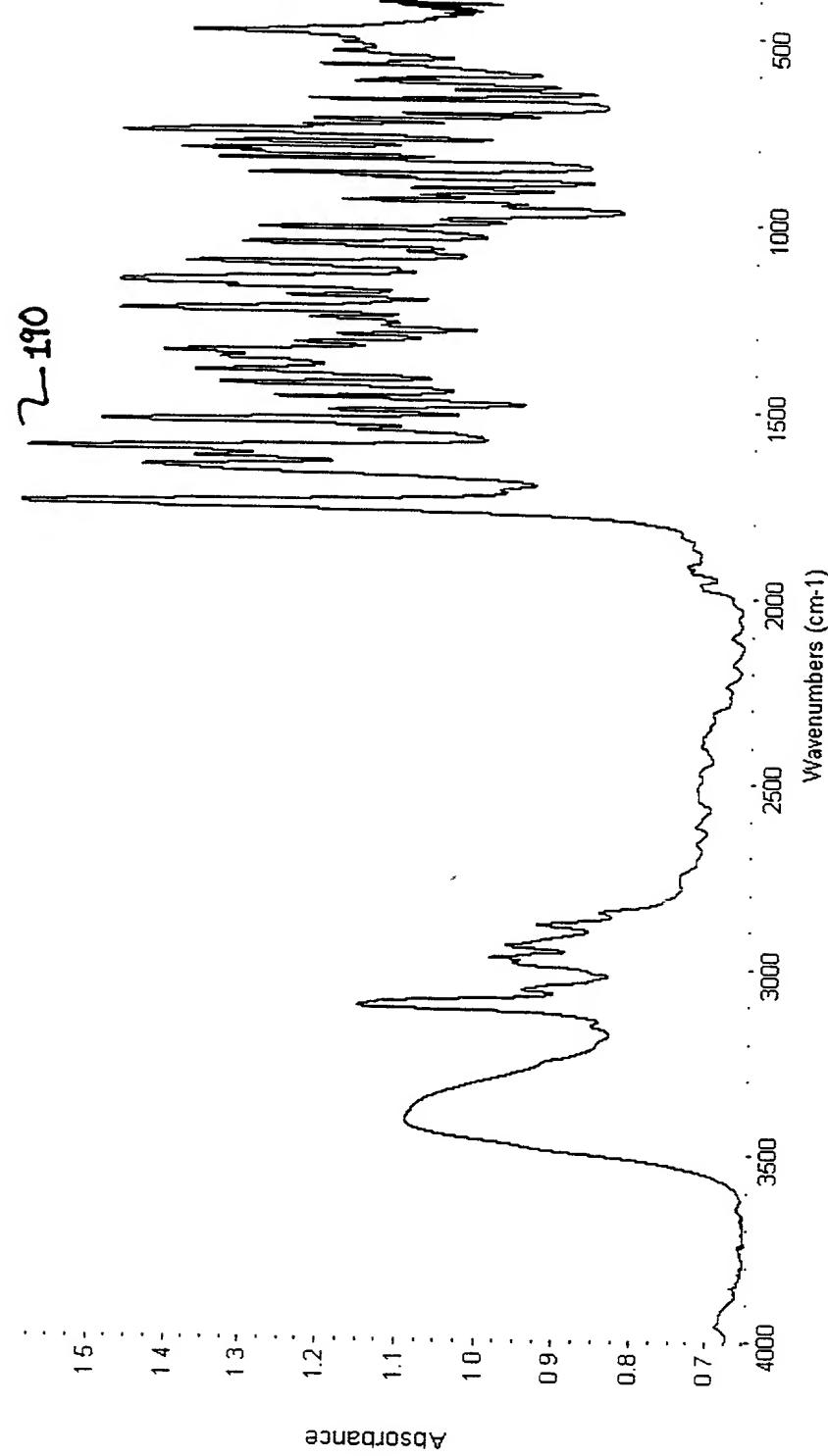
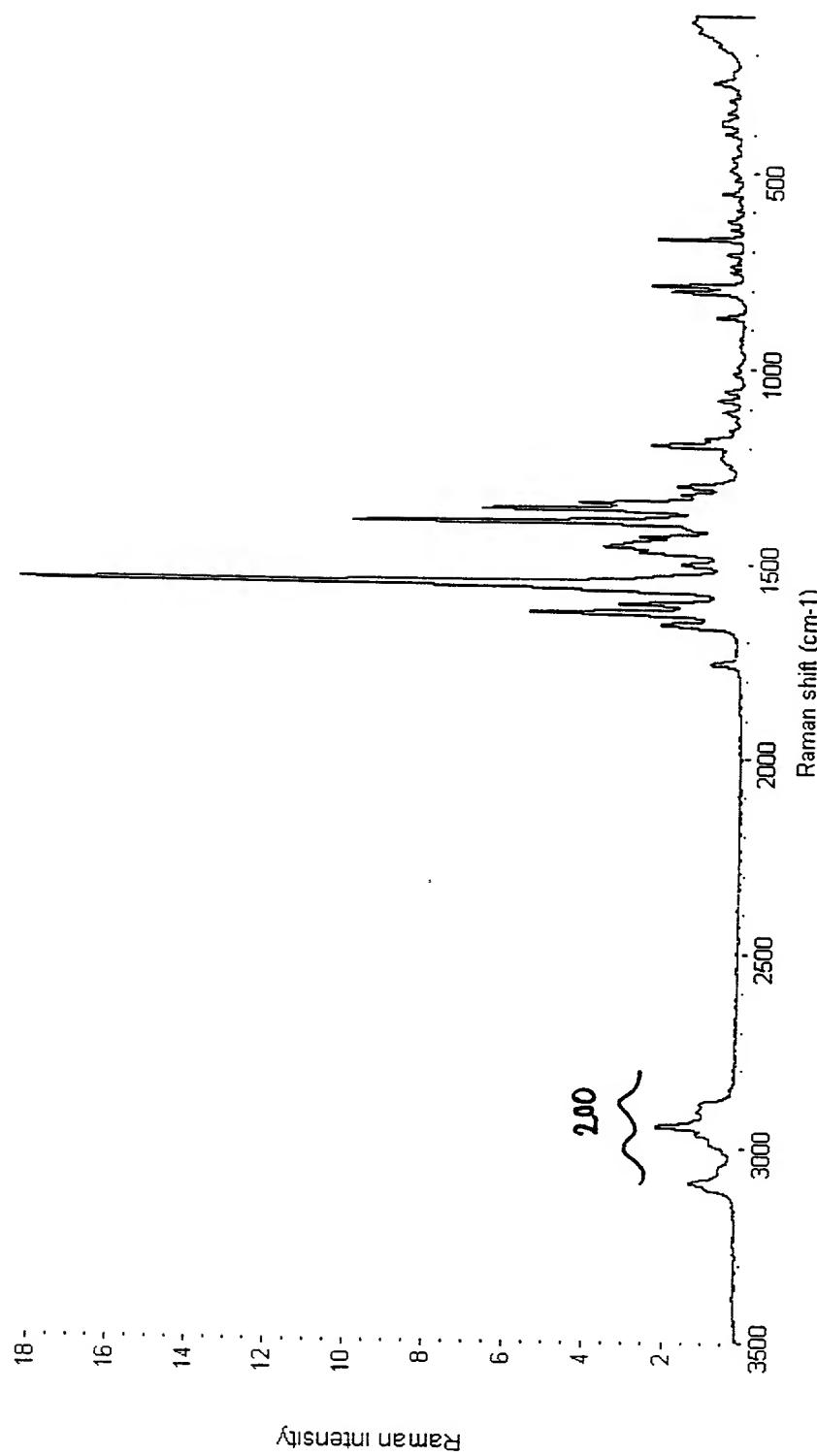


FIG. 19

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:55:54 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.000  
Sample gain: 64.0  
Mirror velocity: 0.3165  
Aperture: 59.00



FTG. 20

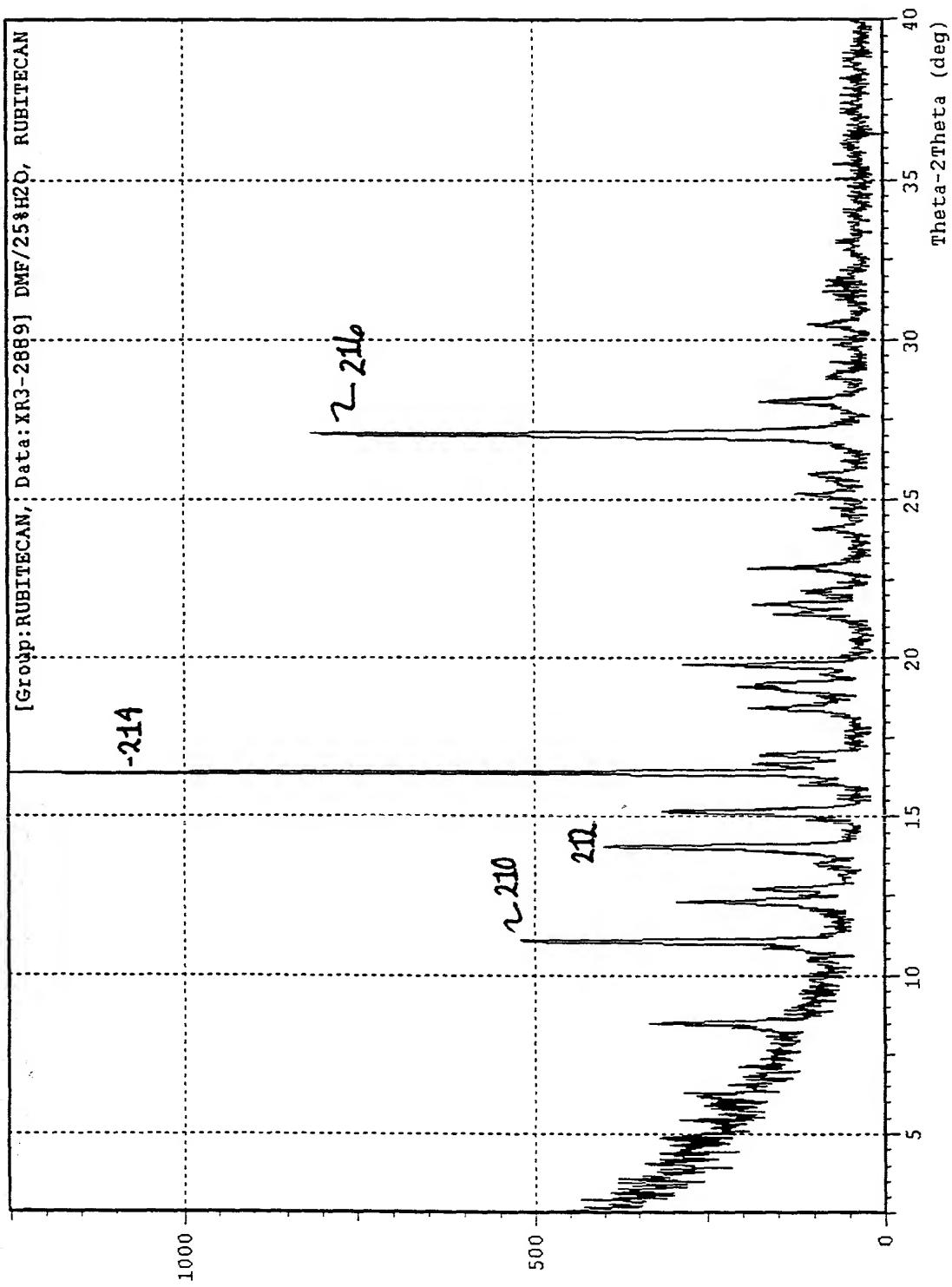


FIG. 21

### TGA of Rubitecan Form F.

Sample: RUBITECAN  
Size: 0.6500 mg  
Method: RUBITECAN  
Comment: SSC# 3131902, DMF/25%H<sub>2</sub>O, A VS C, NTBK 270-62

File: D:\dsc\lg2\lg2-378.tga  
Operator: BAC  
Run Date: 4-Apr-00 10:07

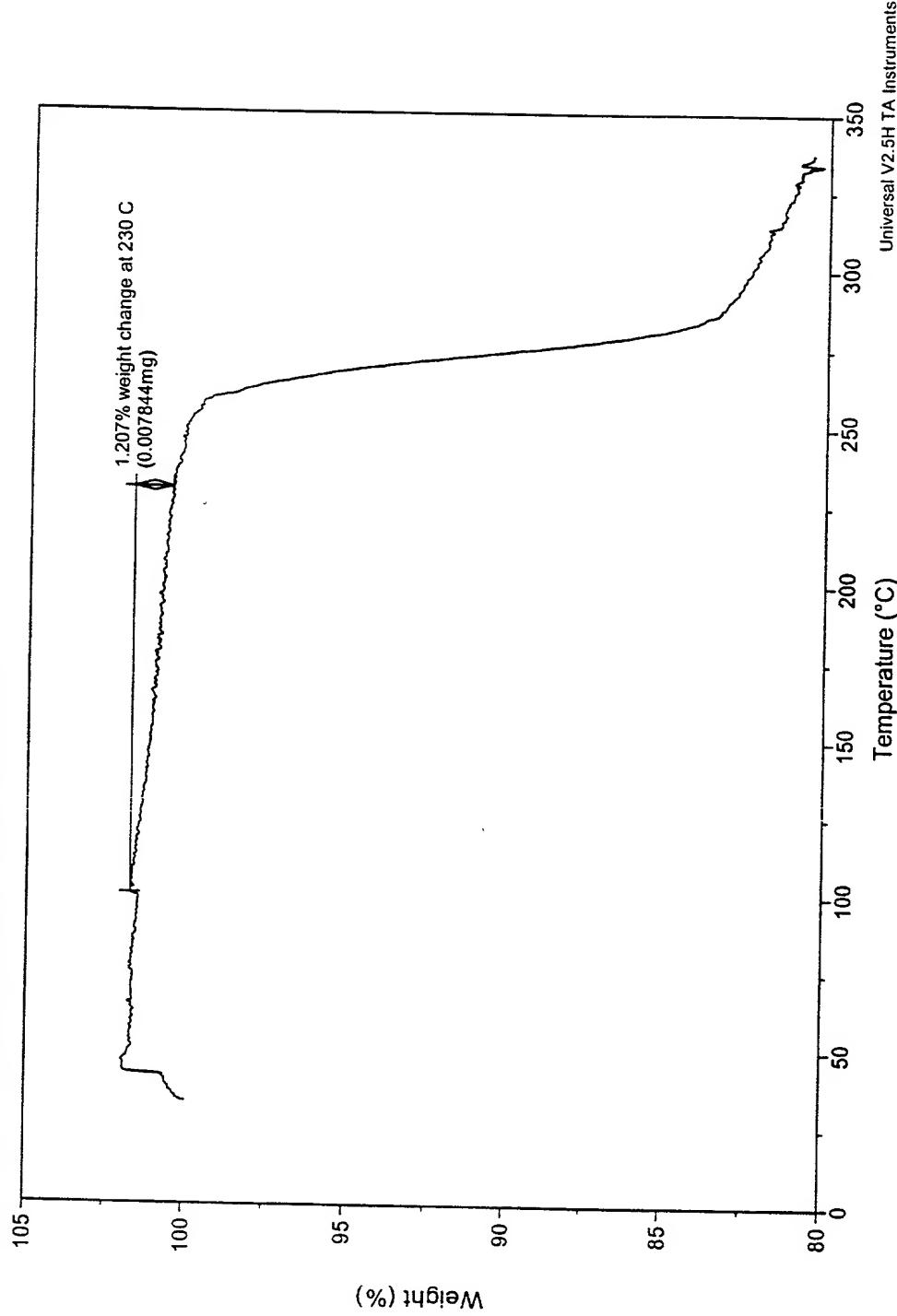


FIG. 27

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 11 12:56:27 2000  
Number of sample scans: 256  
Number of background scans: 256  
Resolution: 4.000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 100.00

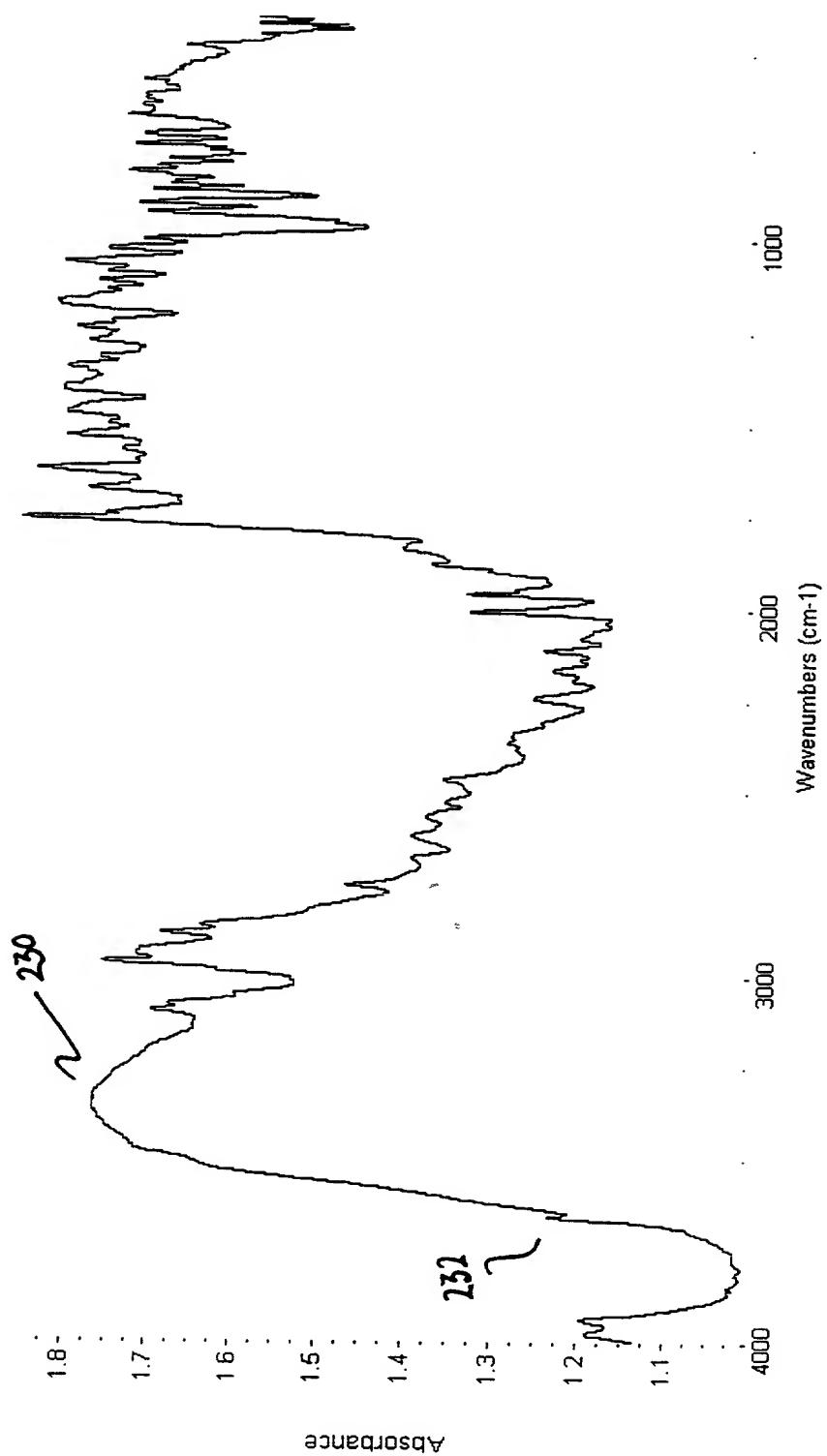


FIG. 23

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Thu May 11 13:32:48 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.0000  
Sample gain: 32.0  
Mirror velocity: 0.3165  
Aperture: 59.00

242

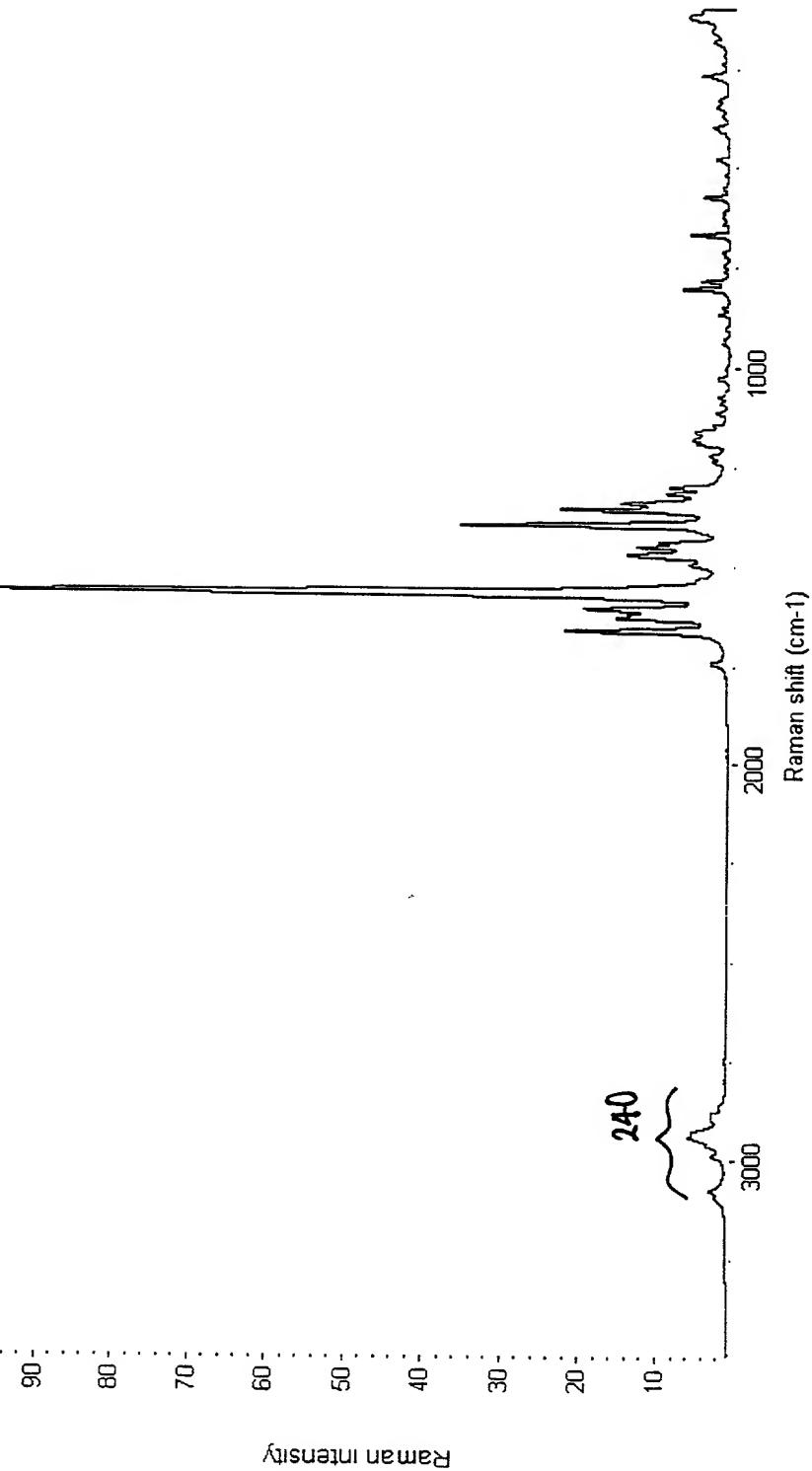


FIG. 24

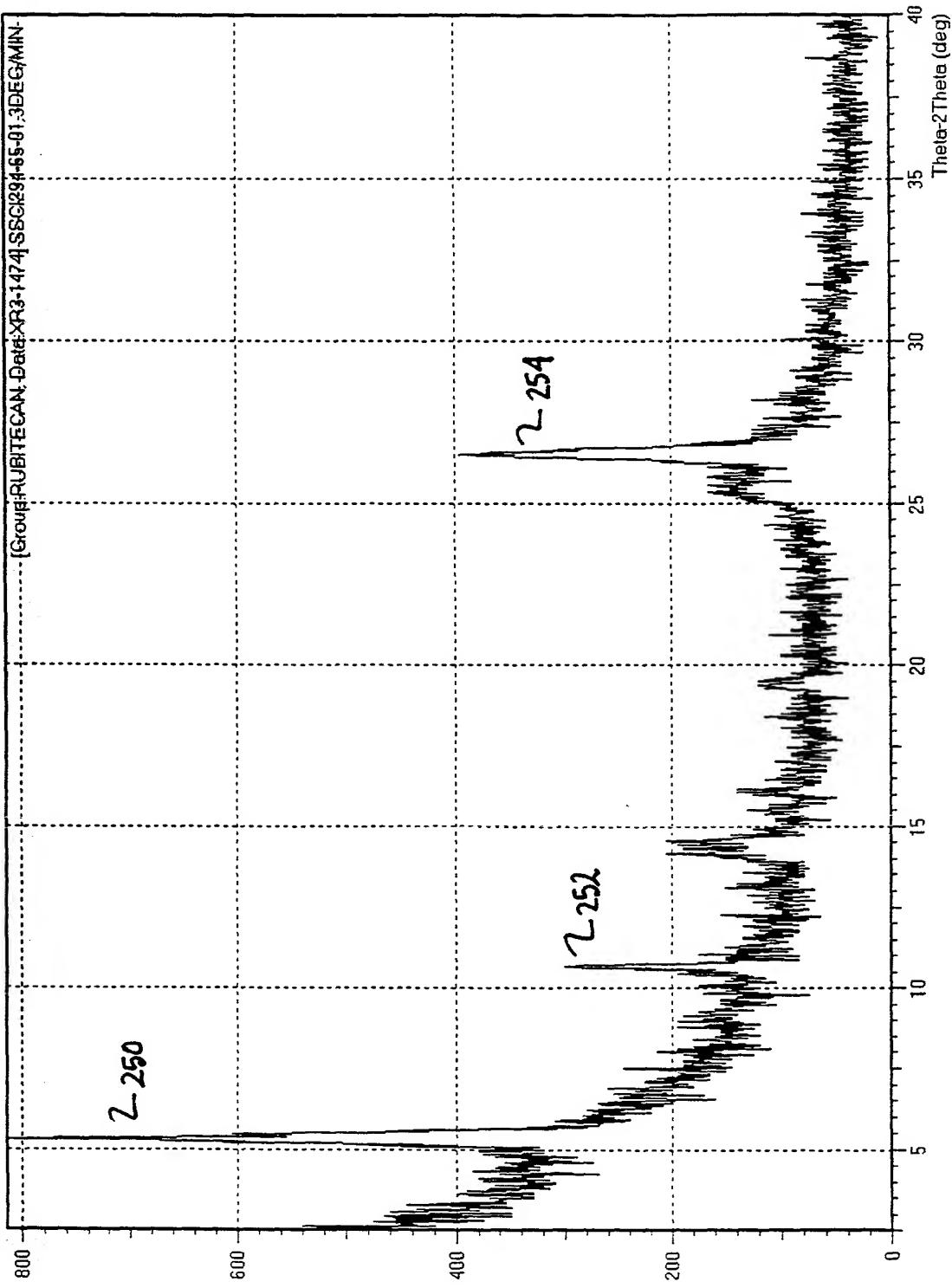
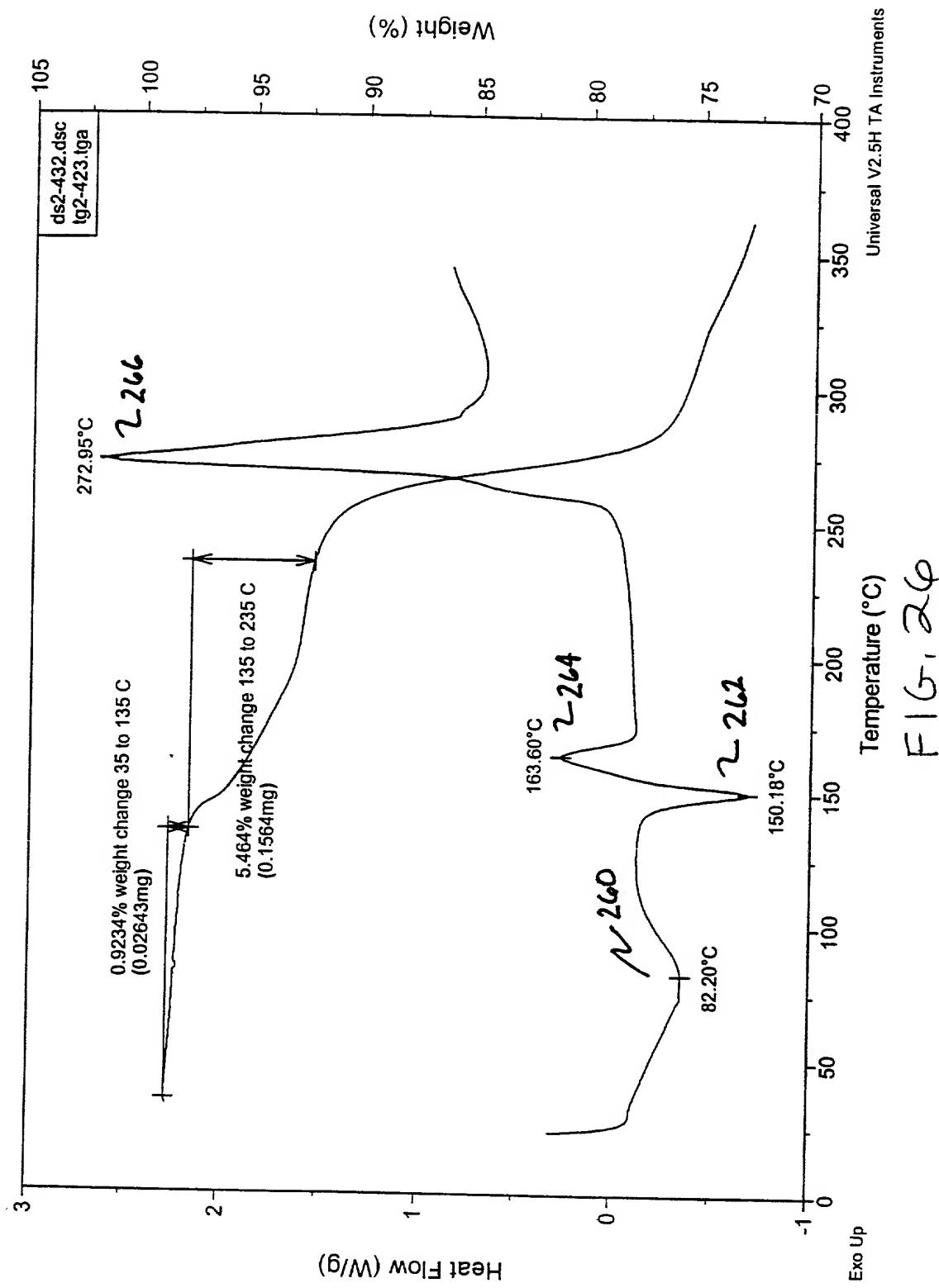


FIG. 25

**DSC (bottom) and TGA (top) of Rubitecan Form G.**



IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 18 20:28:17 2000  
Number of sample scans: 128  
Number of background scans: 128  
Resolution: 2.000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 69.00

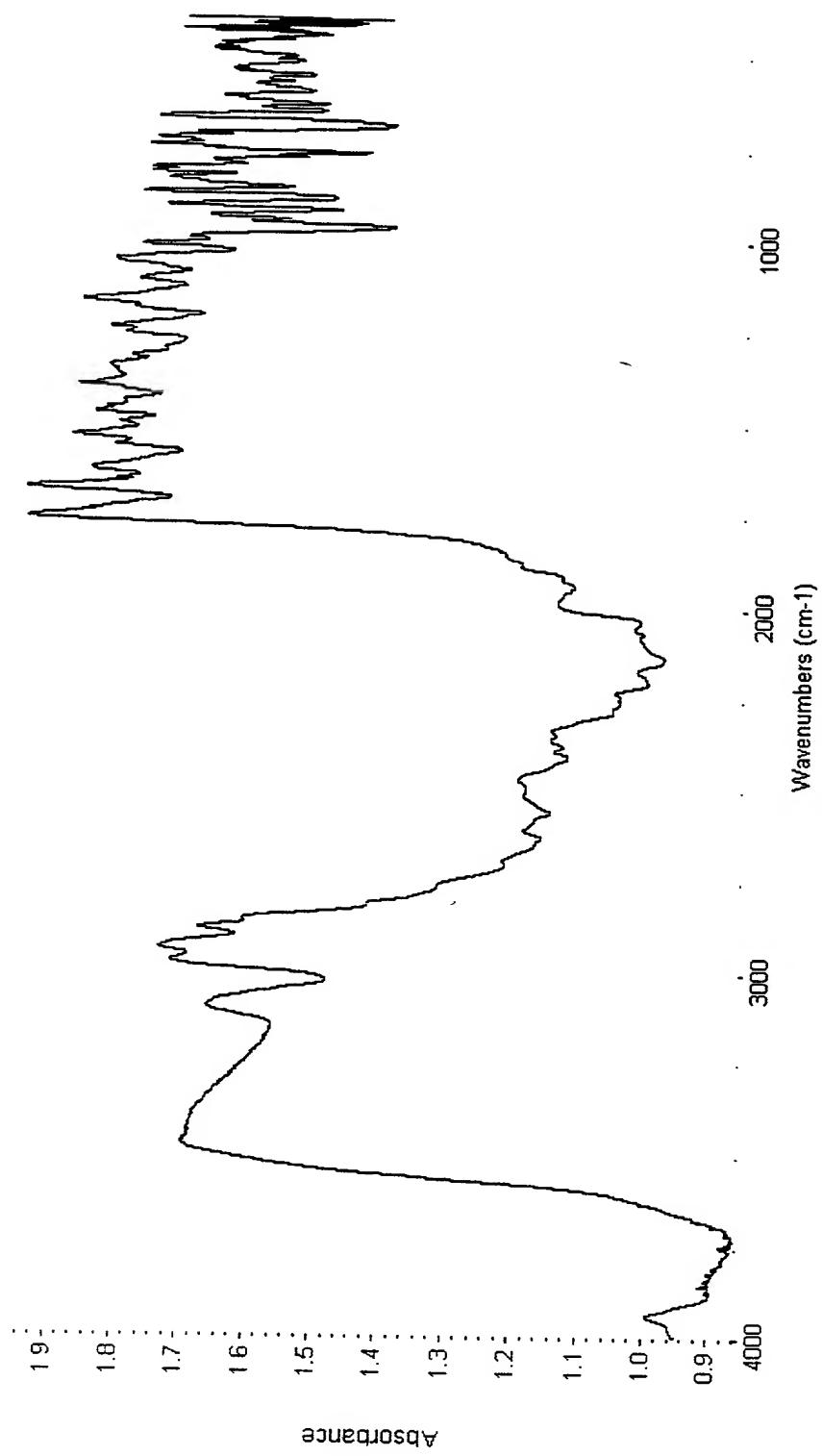


FIG. 27

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Thu May 18 21:09:50 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.000  
Sample gain: 4.0  
Mirror velocity: 0.3165  
Aperture: 59.46

282

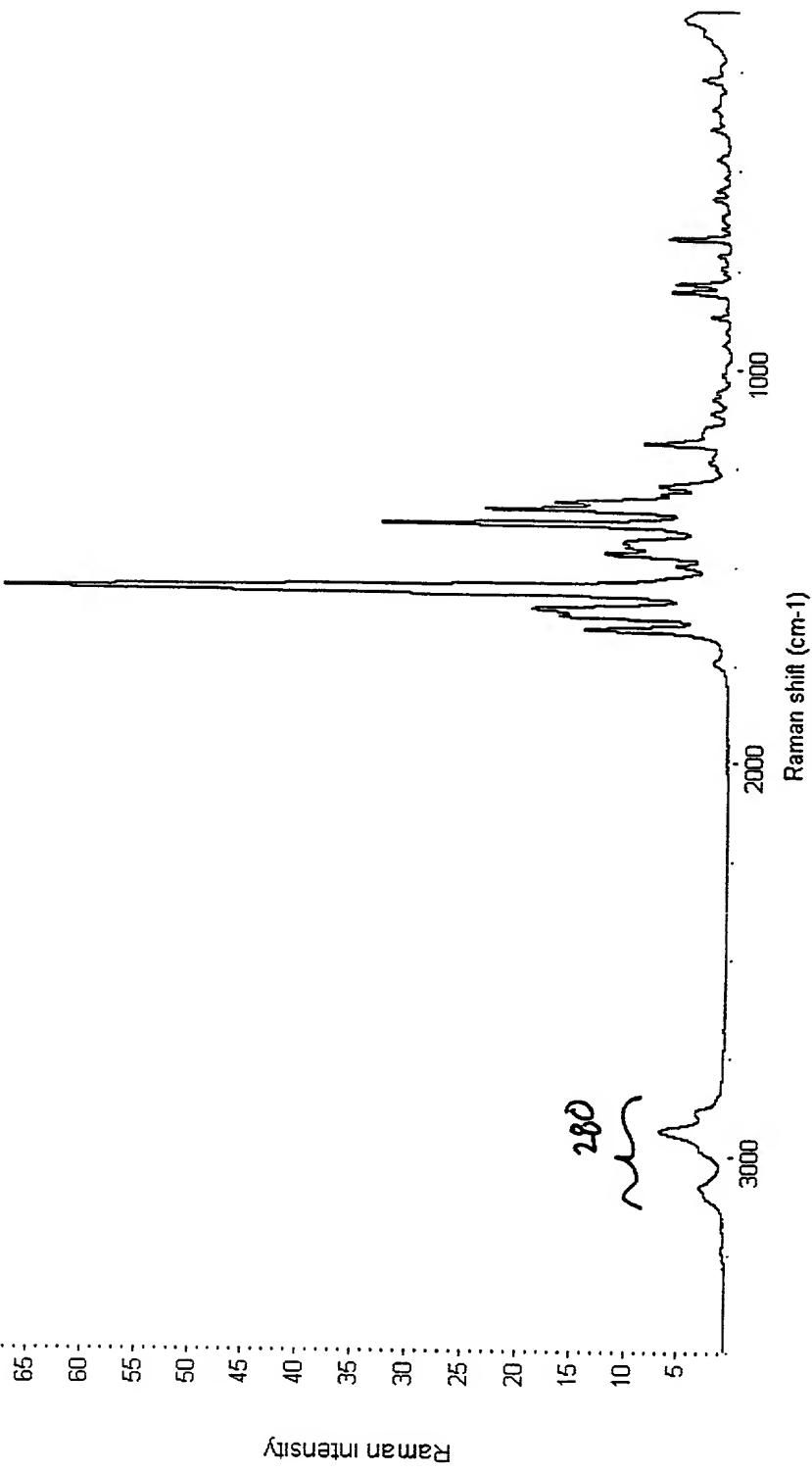


FIG. 28

XRPD Patterns of Rubitecan Solid Forms Containing Amorphous Material.

\*\*\* Multi Plot \*\*\*

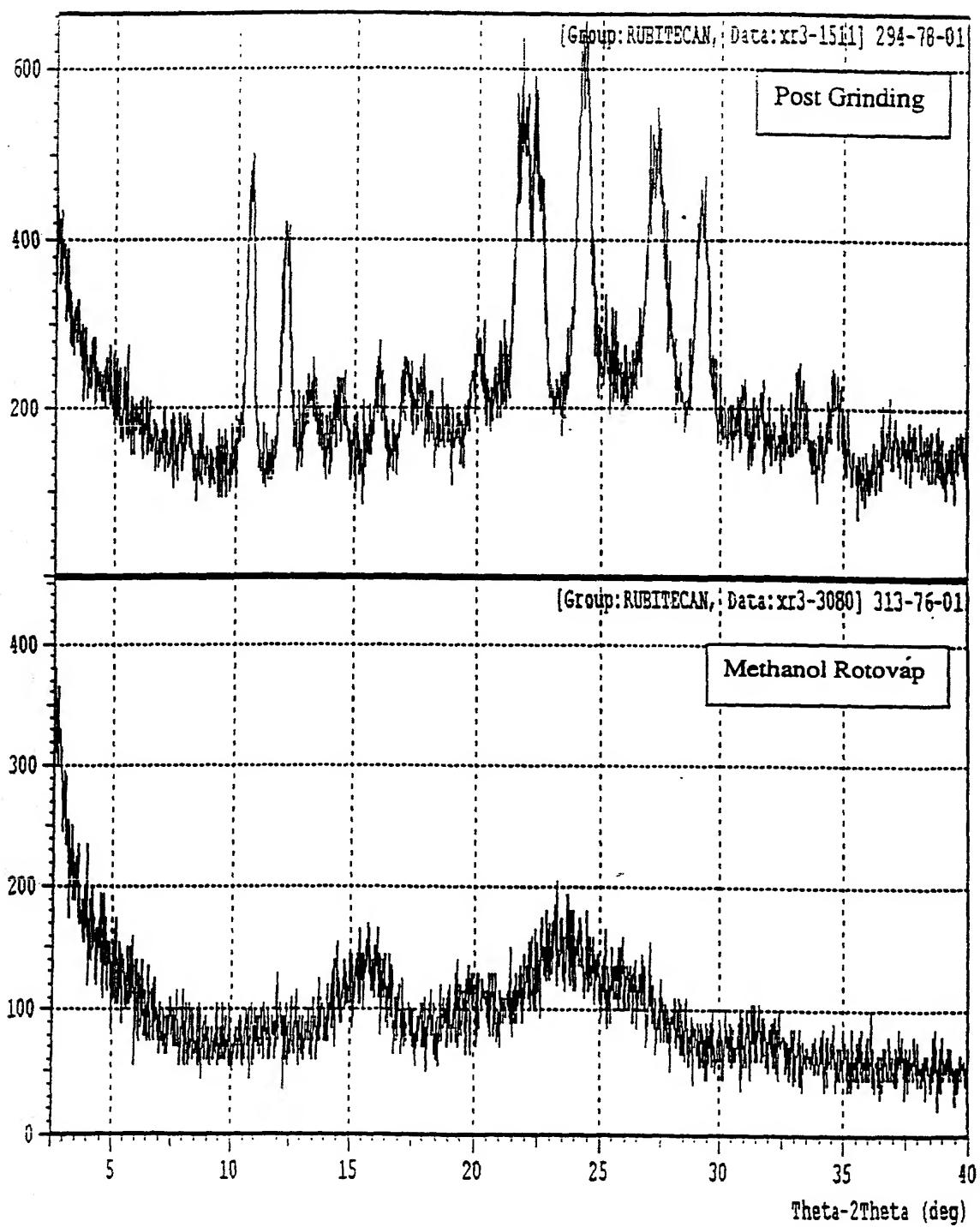


FIG. 29